

LAKE: HORSESHOE L  
TOWN: T35 MD  
COUNTY: HANCOCK

MIDAS: 4788  
TRUE BASIN: 1  
SAMPLE STATION: 1

#### WHOLE LAKE INFORMATION

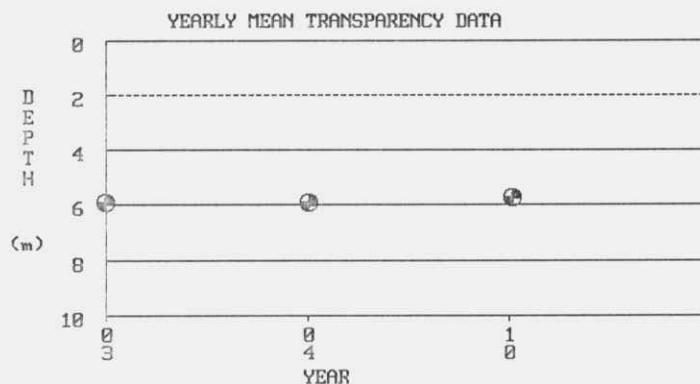
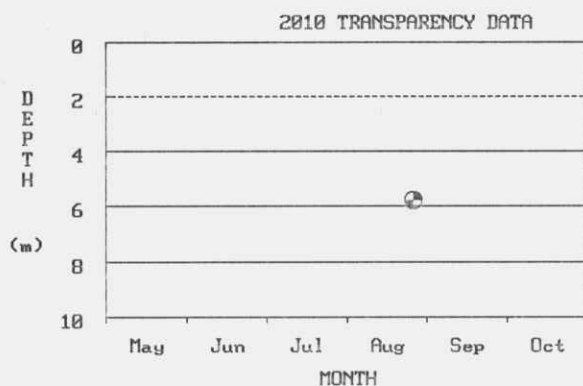
MAX. DEPTH: 6 m. (20 ft.)  
MEAN DEPTH: 4 m. (12 ft.)  
DELORME ATLAS #: 35  
USGS QUAD: GASSABIAS LAKE  
IFW REGION C: Grand Lake Stream (Machias)  
IFW FISH. MANAGMENT: Warmwater

#### TRUE BASIN CHARACTERISTICS

SURFACE AREA: 80.0 ha. (197.7 a.)  
FLUSHING RATE: 1.14 flushes/yr.  
VOLUME: 2600842.5 cu. m. (2110 ac.-ft.)  
DIRECT DRAINAGE AREA: 4.30 sq. km. (1.66 sq. mi.)

PLEASE NOTE THE FOLLOWING: The SAMPLE STATION # refers to the location sampled. The term TRUE BASIN is used to define areas within a lake that are separated by shallow reefs or shoals and therefore function as separate lakes. There are approximately 50 lakes in the state that have more than 1 True Basin. True Basin Characteristics are now being included in the first section of these reports to enable users of the Phosphorous Loading Methodology to better evaluate the data. If there is no data for a particular True Basin, True Basin Characteristics must be obtained from the DEP. HORSESHOE L has 1 True Basin(s).

#### SECCHI DISK TRANSPARENCY GRAPHS:



Note: 2010 graphs may indicate multiple readings taken on a given day.

#### SUMMARY OF CHEMICAL AND TROPHIC STATE PARAMETERS:

[\* indicates that Secchi disk was visible at bottom of lake (or one reading used in calculation was visible)].

YEAR	MEAN COLOR (SPU)	MEAN pH	MEAN ALK (mg/l)	MEAN COND. (uS/cm)	TOTAL PHOS. MEANS (ppb)				SECCHI DISK (m.)				CHLOROPHYLL A(ppb)			TROPHIC STATE INDICES			
					EPI	SURF	BOT.	PRO.	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	C	G	SEC	CHL
2003	15	-	-	-	6	-	-	-	5.9*	5.9*	5.9*	1	1.8	1.8	1.8	-	-	-	-
2004	17	6.90	4.9	24	7	-	-	-	5.9*	5.9*	6.0*	1	2.4	2.5	2.5	-	-	-	-
2010	-	-	-	-	6	-	-	-	5.7*	5.7*	5.7*	1	2.5	2.5	2.5	-	-	-	-
SUMMARY:	16	6.90	4.9	24	6	-	-	-	5.7*	5.8*	6.0*	3	1.8	2.3	2.5	-	-	-	-

#### LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

DEPTH m	SAMPLE DATE					
	08/28/03		09/06/04		08/25/10	
	°C	ppm	°C	ppm	°C	ppm
0.0	21.5	8.1	20.8	8.3	22.1	8.4
1.0	21.5	8.0	20.7	8.3	22.0	8.5
2.0	21.5	8.0	20.6	8.3	22.0	8.5
3.0	21.4	8.0	20.5	8.3	22.0	8.5
4.0	21.3	8.0	20.5	8.3	22.0	8.5

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DEPTH	SAMPLE DATE					
	08/28/03		09/06/04		08/25/10	
m	°C	ppm	°C	ppm	°C	ppm
5.0	21.2	8.0	20.4	8.2	22.0	8.5
6.0	21.2	8.0	20.4	7.0	22.0	8.4